

3. A polypeptide [as claimed in] according to claim 2, wherein [the] said signal sequence polypeptide is a member selected from the group consisting of proteinase inhibitor signal sequence I [or] and II.

4. A polypeptide [as claimed in any one of claims] according to claim 1 [to 3], wherein [the] said pest control protein is a member selected from the group consisting of binding proteins, proteinase inhibitors and degradative enzymes.

5. A polypeptide [as claimed in] according to claim 4, wherein [the] said proteinase inhibitor is a member selected from the group consisting of aprotinin kunitz-type inhibitors, soybean, arrowroot, taro, proteinase inhibitors 1, proteinase inhibitor 2, alpha-1 antitrypsin, Bowman-Birk inhibitors from soybean and cowpea, and oryzacystatin.

6. A polypeptide [as claimed in] according to claim 4, wherein [the] said binding protein is a member selected from the group consisting of riboflavin, carotenoid, fatty-acid, retinol, alpha-tocopherol, folate, thiamin, pantothenate and biotin-binding proteins.

7. A polypeptide [as claimed in] according to claim 6, wherein [the] said biotin-binding protein is a member selected from the group consisting of avidin, streptavidin, biotin-binding antibodies and fragments thereof, biotin halocarboxylase synthetase, biotinidase and bacterial proteins.

8. A polypeptide [as claimed in] according to claim 7, wherein [the] said biotin-binding protein is a member selected from the group consisting of avidin, streptavidin [or] and [a] functionally equivalent variants thereof.

9. A polypeptide [as claimed in any one of] according to claim[s] 1 [to 8], further comprising at least one additional sequence encoding a protein or peptide.

10. A polypeptide [as claimed in] according to claim 9, wherein [the] said additional sequence encodes a member selected from the group consisting of a further plant-noxious protein, pest control protein, [or] an antimicrobial protein, an antifungal protein, [or] and an antiviral protein.

11. A polypeptide [as claimed in] according to claim 10, wherein [the] said additional sequence encodes a pest control protein.

12. A polypeptide [as claimed in] according to claim 11, wherein [the] said pest control protein is a Bacillus thuringiensis (Bt) insecticidal protein.

13. A polypeptide [as claimed in] according to claim 12, wherein [the] said Bt protein is a Cry protein.

14. A polypeptide [as claimed in] according to claim 13, wherein [the] said pest control protein is a proteinase inhibitor.

15. A polypeptide [as claimed in] according to claim 14, wherein [the] said proteinase inhibitor is an aprotinin.

16. An isolated nucleic acid molecule encoding a polypeptide [as claimed in any one of] according to claim[s] 1 [to 15].

17. A nucleic acid molecule [as claimed in] according to claim 16, wherein said nucleic acid [which] is a DNA molecule.
18. A vector comprising a DNA molecule [as claimed in] according to claim 17.
19. A host cell transformed with a vector [as claimed in] according to claim 18.
20. A host cell [as claimed in] according to claim 19, wherein said cell [which] is a plant cell.
21. A method for producing a polypeptide [as claimed in any one of] according to claim[s] 1 [to 15], comprising the steps of:
- (a) culturing a host cell which has been transformed or transfected with a vector [as claimed in claim 18 to] which expresses the encoded polypeptide; and optionally
  - (b) recovering the expressed polypeptide.
22. A method for producing a pest resistant plant, comprising transforming the plant genome to include at least one DNA molecule [as claimed in] according to claim 17.
23. A transgenic plant that contains a DNA molecule [as claimed in] according to claim[s] 17.

24. A transgenic plant [as claimed in] according to claim 23, further comprising at least one additional DNA molecule encoding a protein or peptide.

25. A transgenic plant [as claimed in] according to claim 24, wherein [the] said additional DNA molecule encodes a member selected from the group consisting of a further plant-noxious protein, pest control protein, [or] an antimicrobial protein, an antifungal protein, [or] and an antiviral protein.

26. A transgenic plant [as claimed in] according to claim 25, wherein [the] said additional DNA molecule encodes a pest control protein.

27. A transgenic plant [as claimed in] according to claim 26, wherein [the] said pest control protein is a Bacillus thuringiensis (Bt) insecticidal protein.

28. A transgenic plant [as claimed in] according to claim 27, wherein [the] said Bt protein is a Cry protein.

29. A transgenic plant [as claimed in] according to claim [28] 26, wherein [the] said pest control protein is a proteinase inhibitor.

30. A transgenic plant [as claimed in] according to claim 29, wherein [the] said proteinase inhibitor is an aprotinin.

31. A transgenic plant expressing pesticidally effective concentrations of a chimeric polypeptide [as claimed in any one of claims] according to claim 1 [to 15].

32. A method for controlling or killing pests comprising administering to said pest an amount of a chimeric polypeptide [as claimed in any one of] according to claim[s] 1 [to 15] which is effective to control or kill said pest.

33. A method [as claimed in] according to claim 32, wherein [the] said chimeric polypeptide is expressed in a plant.

34. A method [as claimed in] according to claim 32 [or claim 33], further comprising administering to said pest a pest control protein.

35. A method [as claimed in] according to claim 34, wherein [the] said pest control protein is a Bt protein.

36. A method [as claimed in] according to claim 35, wherein [the] said Bt protein is a Cry protein.

37. A method of controlling or killing pests comprising administering a chimeric polypeptide [as claimed in any one of] according to claim[s] 1 [to 8] which includes a sequence encoding a pest control protein and a second pest control protein, where the combination provides more effective control than administration of the second pest control protein alone.

38. A method of preventing attack, or controlling or killing pests, on a transgenic plant [as claimed in any one of] according to claim[s] 23 [to 31], comprising treating the plant with a composition comprising a pest control protein.

39. A method [as claimed in] according to claim 38, wherein [the] said pest control protein is Bt.

40. A method [as claimed in] according to claim 39, wherein [the] said Bt protein is a Cry protein.

41. A method [as claimed in any one of] according to claim[s] 38 [to 40], wherein [the] said composition is a spray.

42. A method [as claimed in any one of] according to claim[s] 38 [to 40], wherein [the] said composition is a dust.

43. A method [as claimed in any one of] according to claim[s] 32 [to 42], wherein [the] said pest is a member selected from the group consisting of:

cotton bollworm (*Helicoverpa armigera*);

tropical army-worm (*Spodoptera litura*); [, also]

*S. littoralis*[,];

*S. exigua*;

European corn-borer (*Ostrinia nubilalis*);

tobacco horn worm (*Manduca sexta*);

loopers (*Chrysodiexis* spp.);

rice stem borer (*Chilo suppressalis*);

porina (*Wiseana* spp.);

cutworms (*Agrotis* spp.);

diamondback moth (*Plutella xylostella*);

potato tuber moth (*Phthorimaea operculella*);

codling moth (*Cydia pomonella*);  
Indian meal moth (*Plodia interpunctella*);  
gypsy moth (*Lymantria dispar*);  
argentine stem weevil (*Listronotus bonariensis*);  
clover root weevil (*Sitona lepidus*);  
grass-grubs (*Costelytra zelandica*, *Odontria* spp.);  
corn rootworm (*Diabrotica virgifera*);  
rice and wheat weevils (*Sitophilus* spp.);  
mealworms (*Tenebrio molitor*);  
flour beetles (*Tribolium confusum*);  
black field cricket (*Teleogryllus commodus*);  
locusts (*Locusta migratoria*);  
Sawflies (*Sirex* spp., *Nematus olgospilus*);  
Western Flower thrips (*Frankliniella occidentalis*);  
Hessian flies (*Mayetiola destructor*);  
two-spotted mite (*Tetranychus urticae*); and  
European red mite (*Panonychus ulmi*).

44. A composition comprising a polypeptide [as claimed in any one of] according to claim[s] 1 [to 15] and a member selected from the group consisting of a carrier, diluent, excipient [or] and an adjuvant.

45. A composition comprising material derived from a plant [as claimed in any one of] according to claim[s] 23 [to 31] and a member selected from the group consisting of a carrier, diluent, excipient [or] and an adjuvant.

46. A composition [as claimed in] according to claim 45, wherein [the] said carrier is an agriculturally acceptable carrier.

47. A composition [as claimed in any one of] according to claim[s] 44 [to 46] which is a pesticidal composition.

48. A composition [as claimed in any one of] according to claim[s] [48 to 47] 44 which further comprises one or more members selected from the group consisting of antifungal, antiviral, antimicrobial [or] and pest control proteins.

49. A composition [as claimed in] according to claim 48, wherein [the] said pest control protein is a Bacillus thuringiensis (Bt) insecticidal protein.

50. A composition [as claimed in] according to claim 49, wherein [the] said Bt protein is a Cry protein.

51. A composition [as claimed in] according to claim [50] 48, wherein [the] said pest control protein is a proteinase inhibitor.

52. A composition [as claimed in] according to claim 51, wherein [the] said proteinase inhibitor is an aprotinin.

53. A method for producing a plant-noxious protein, the method comprising extracting the protein from a plant incorporating in its genome a DNA molecule [as claimed in] according to claim 17.